

Supplemental Table 4: Ingenuity systems pathway analyses results

Response Phenotype	Biologically Putative Canonical Pathways	P-Value
Cholesterol	Nitric oxide signaling in cardiovascular system	2.51×10^{-6}
HDL	Dopamine-DARPP32 Feedback in cAMP Signaling	3.43×10^{-7}
LDL	Dopamine-DARPP32 Feedback in cAMP Signaling and PPAR/RXR Activation	1.66×10^{-6} and 2.47×10^{-5}
Triglycerides	cAMP-mediated signaling and Dopamine-DARPP32 Feedback in cAMP Signaling	1.93×10^{-8} and 7.21×10^{-8}